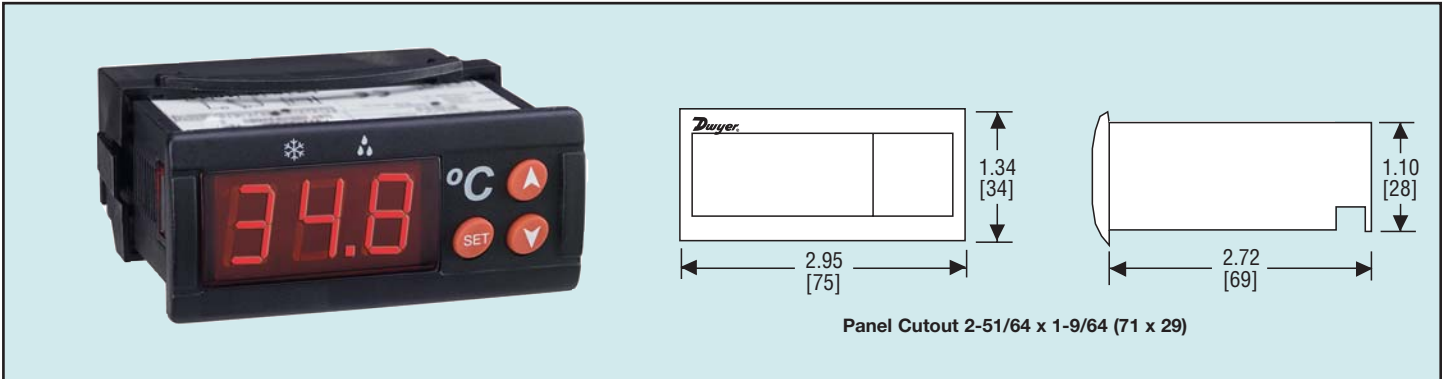




Series
DTS

Digital Temperature Switch

Low Cost, 8 amp SPDT or 16 amp SPST Relay



Panel Cutout 2-51/64 x 1-9/64 (71 x 29)

The DTS Digital Temperature Switch is a low cost unit that performs the functions of more expensive controllers. The switch is designed for heating or cooling control. Twelve different parameters can be programmed via the push button front panel. The heating mode can be used to keep temperature above a user-defined set point or alert an operator of a low alarm condition. In contrast, the cooling mode can be used to ensure process temperature stays below the critical level or signal high alarm condition. View temperature, error and alarm messaging on the bright red, 3-digit LED display. Units accept PTC probe input (sold separately) and include fitting clips for panel mounting and instruction manual.

SPECIFICATIONS

Probe Range: -58 to 302°F (-50 to 150°C).

Input: PTC (1000K @25°C).

Output: 8 amp SPDT or 16 amp SPST relay @ 250 VAC resistive, (Depending on model).

Horsepower Rating (HP): 1/3 HP for 8 amp and 3/4 HP for 16 amp.

Power Requirements: 110 VAC.

Accuracy: ±1°C.

Display: 3-Digit, red.

Resolution: 1°.

Ambient Operating Temperature: 14 to 158°F (-10 to 70°C).

Storage Temperature: -4 to 176°F (-20 to 80°C).

Weight: 2.3 oz (65 g).

Agency Approval: CE.

MODELS

Model Number	Description
DTS-13010	Digital Temperature Switch (110V, 16A, °F)
DTS-13011	Digital Temperature Switch (110 V, 16 A, °C)
DTS-83010	Digital Temperature Switch (110V, 8 A, °F)
DTS-83011	Digital Temperature Switch (110V, 8 A, °C)

ACCESSORIES

DTS-5 PVC Probe, 5 ft (1.5 m)

DTS-52 Metal Probe, 5 ft (1.5 m)

PARAMETERS

	Description	Units	Range
SP	Set point	Degrees	r1 to r2
r0	Differential or hysteresis	Degrees	1 to 20
r1	Lower Value Set Point	Degrees	-50 to 150°
r2	Higher Value Set Point	Degrees	-50 to 302°F (-50 to 150°C)
d0	Heating or Cooling Control	Option	Ht/Co
d2	Time for Defrosting	Minutes	0 to 59 min.
d8	Interval Time between Defrosting	Hours	1 to 24 hr.
c0	Min. stop time for Load	Minutes	0 to 59 min.
c1	Continuous Cycle Time	Hours	0 to 24 hr.
P1	Ambient Probe Adjustment	Degrees	-10 to 10
H5	Parameter Access code	Numeric	0 to 99 (Set at -00 from factory)
t0	Max. Temp. on Display	Degrees	-50 to 302°F (-50 to 150°C)